

# **CALL FOR PAPERS**

## **3<sup>rd</sup> International Workshop on Parallel Programming Models and Systems Software for High-End Computing (P2S2 2010)**

September 13<sup>th</sup>, 2010

<http://www.mcs.anl.gov/events/workshops/p2s2/2010>

**In conjunction with the 39<sup>th</sup> International Conference on Parallel Processing (ICPP'10)  
San Diego, California**

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*Abhinav Vishnu*, Pacific Northwest National Lab

### **Publicity Chair**

*Yong Chen*, Oak Ridge National Laboratory

### **Steering Committee**

*William Gropp*, Univ. of Illinois at Urbana Champaign  
*D. K. Panda*, Ohio State University  
*Vijay Saraswat*, IBM Research

### **Scope of the Workshop**

The P2S2 workshop provides a forum for engineers and scientists in academia, industry and government to present their latest research findings in aspects of parallel programming models and systems software. We are soliciting contributions in areas including but not limited to:

- Systems software for high-end scientific and enterprise computing architectures
  - Communication sub-systems for high-end computing
  - High-performance File and storage systems
  - Fault-tolerance techniques and implementations
  - Efficient and high-performance virtualization and other management mechanisms
- Programming models and their high-performance implementations
  - MPI, Sockets, OpenMP, Global Arrays, X10, UPC, Chapel, Fortress and others
  - Hybrid Programming Models
- Tools for Management, Maintenance, Coordination and Synchronization
  - Debugging and Management libraries for large-scale systems
  - Software for Enterprise Data-centers using Modern Architectures
  - Job scheduling libraries
  - Toolkits for process and task coordination on modern platforms
- Performance evaluation, analysis and modeling of emerging computing platforms

### **Technical Program Committee**

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### **Conference Timeline**

Paper Submission Deadline	March 10 <sup>th</sup> , 2010
Author Notification	May 3 <sup>rd</sup> , 2010
Final Manuscript Due	June 14 <sup>th</sup> , 2010

**Proceedings** of the workshop will be published in CD Format and will be available at the workshop. See the P2S2 workshop website for instructions on electronic paper submission.

### **Journal Special Issue**

The *best* papers of P2S2'10 will be included in a special issue of the **International Journal of High Performance Computing Applications (IJHPCA) on Programming Models, Software and Tools for High-End Computing**.